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RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/894,967A

TIME: 12:39:32

Input Set : A:\2307k_059110.app

Output Set: N:\CRF3\05012002\I894967A.raw

SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Kavanaugh, William M.

7 Williams, Lewis T.

9 (ii) TITLE OF INVENTION: Binding Sites for Phosphotyrosine

10 Binding Domains

12 (iii) NUMBER OF SEQUENCES: 74

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: Townsend and Townsend and Crew LLP

16 (B) STREET: Two Embarcadero Center, 8th Floor

17 (C) CITY: San Francisco

18 (D) STATE: California

19 (E) COUNTRY: USA

20 (F) ZIP: 94111-3834

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/09/894,967A

C--> 30 (B) FILING DATE: 15-Apr-2002

31 (C) CLASSIFICATION:

33 (vii) PRIOR APPLICATION DATA:

34 (A) APPLICATION NUMBER: US 08/423,646

35 (B) FILING DATE: 14-APR-1995

37 (viii) ATTORNEY/AGENT INFORMATION:

38 (A) NAME: Serafini, Andrew T.

39 (B) REGISTRATION NUMBER: 41,303

40 (C) REFERENCE/DOCKET NUMBER: 2307K-059110

42 (ix) TELECOMMUNICATION INFORMATION:

43 (A) TELEPHONE: 415-326-2400

44 (B) TELEFAX: 415-326-2422

48 (2) INFORMATION FOR SEQ ID NO: 1:

50 (i) SEQUENCE CHARACTERISTICS:

51 (A) LENGTH: 5 amino acids

52 (B) TYPE: amino acid

53 (C) STRANDEDNESS: single

54 (D) TOPOLOGY: linear

56 (ii) MOLECULE TYPE: peptide

59 (ix) FEATURE:

60 (A) NAME/KEY: Region

61 (B) LOCATION: one-of(2)

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62         (D) OTHER INFORMATION: /note= "Xaa is Leu or Ala."
63
64     (ix) FEATURE:
65         (A) NAME/KEY: Region
66         (B) LOCATION: one-of(3)
67         (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
68 or analogs thereof, Glu, Thr, Asp, Gln, Ala or
69 Phe."
70
71     (ix) FEATURE:
72         (A) NAME/KEY: Region
73         (B) LOCATION: one-of(4)
74         (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
75 or analogs thereof."
76
77     (ix) FEATURE:
78         (A) NAME/KEY: Region
79         (B) LOCATION: one-of(5)
80         (D) OTHER INFORMATION: /note= "Xaa is Trp, Leu, Ser, Phe or Gln."
81
82     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 85     Asn Xaa Xaa Xaa Xaa
86         1             5
87
88     (2) INFORMATION FOR SEQ ID NO: 2:
89     (i) SEQUENCE CHARACTERISTICS:
90         (A) LENGTH: 6 amino acids
91         (B) TYPE: amino acid
92         (C) STRANDEDNESS: single
93         (D) TOPOLOGY: linear
94     (ii) MOLECULE TYPE: peptide
95     (ix) FEATURE:
96         (A) NAME/KEY: Region
97         (B) LOCATION: one-of(1)
98         (D) OTHER INFORMATION: /note= "Xaa is Asp, Ser, Glu or Ala."
99
100    (ix) FEATURE:
101        (A) NAME/KEY: Region
102        (B) LOCATION: one-of(3)
103        (D) OTHER INFORMATION: /note= "Xaa is Leu or Ala."
104
105    (ix) FEATURE:
106        (A) NAME/KEY: Region
107        (B) LOCATION: one-of(4)
108        (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
109 or analogs thereof, Glu, Thr, Asp, Gln, Ala or
110 Phe."
111
112    (ix) FEATURE:
113        (A) NAME/KEY: Region
114        (B) LOCATION: one-of(5)
115        (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
116 or analogs thereof."
117
118    (ix) FEATURE:
119        (A) NAME/KEY: Region
120        (B) LOCATION: one-of(6)
121        (D) OTHER INFORMATION: /note= "Xaa is Trp, Leu, Ser, Phe or Gln."
122
123    (ix) FEATURE:
124        (A) NAME/KEY: Region
125        (B) LOCATION: one-of(6)
126        (D) OTHER INFORMATION: /note= "Xaa is Trp, Leu, Ser, Phe or Gln."

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129      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
W--> 131      Xaa Asn Xaa Xaa Xaa Xaa
132      1          5
135 (2) INFORMATION FOR SEQ ID NO: 3:
137      (i) SEQUENCE CHARACTERISTICS:
138          (A) LENGTH: 6 amino acids
139          (B) TYPE: amino acid
140          (C) STRANDEDNESS: single
141          (D) TOPOLOGY: linear
143      (ii) MOLECULE TYPE: peptide
146      (ix) FEATURE:
147          (A) NAME/KEY: Region
148          (B) LOCATION: one-of(3)
149          (D) OTHER INFORMATION: /note= "Xaa is Leu or Ala."
151      (ix) FEATURE:
152          (A) NAME/KEY: Region
153          (B) LOCATION: one-of(4)
154          (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
155 or analogs thereof, Glu, Thr, Asp, Gln, Ala or
156 Phe."
158      (ix) FEATURE:
159          (A) NAME/KEY: Region
160          (B) LOCATION: one-of(5)
161          (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
162 or analogs thereof."
164      (ix) FEATURE:
165          (A) NAME/KEY: Region
166          (B) LOCATION: one-of(6)
167          (D) OTHER INFORMATION: /note= "Xaa is Trp or Phe."
170      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 172      Asp Asn Xaa Xaa Xaa Xaa
173      1          5
176 (2) INFORMATION FOR SEQ ID NO: 4:
178      (i) SEQUENCE CHARACTERISTICS:
179          (A) LENGTH: 6 amino acids
180          (B) TYPE: amino acid
181          (C) STRANDEDNESS: single
182          (D) TOPOLOGY: linear
184      (ii) MOLECULE TYPE: peptide
187      (ix) FEATURE:
188          (A) NAME/KEY: Region
189          (B) LOCATION: one-of(3)
190          (D) OTHER INFORMATION: /note= "Xaa is Leu or Ala."
192      (ix) FEATURE:
193          (A) NAME/KEY: Region
194          (B) LOCATION: one-of(4)
195          (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
196 or analogs thereof, Glu, Thr, Asp, Gln, Ala or
197 Phe."

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199      (ix) FEATURE:
200          (A) NAME/KEY: Region
201          (B) LOCATION: one-of(5)
202          (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
203 or analogs thereof."
205      (ix) FEATURE:
206          (A) NAME/KEY: Region
207          (B) LOCATION: one-of(6)
208          (D) OTHER INFORMATION: /note= "Xaa is Trp or Phe."
211      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 213      Glu Asn Xaa Xaa Xaa Xaa
214          1          5
217 (2) INFORMATION FOR SEQ ID NO: 5:
219      (i) SEQUENCE CHARACTERISTICS:
220          (A) LENGTH: 12 amino acids
221          (B) TYPE: amino acid
222          (C) STRANDEDNESS: single
223          (D) TOPOLOGY: linear
225      (ii) MOLECULE TYPE: peptide
228      (ix) FEATURE:
229          (A) NAME/KEY: Region
230          (B) LOCATION: one-of(7)
231          (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
234      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 236      Ala Phe Asp Asn Leu Tyr Xaa Trp Asp Gln Asn Ser
237          1          5          10
240 (2) INFORMATION FOR SEQ ID NO: 6:
242      (i) SEQUENCE CHARACTERISTICS:
243          (A) LENGTH: 12 amino acids
244          (B) TYPE: amino acid
245          (C) STRANDEDNESS: single
246          (D) TOPOLOGY: linear
248      (ii) MOLECULE TYPE: peptide
251      (ix) FEATURE:
252          (A) NAME/KEY: Region
253          (B) LOCATION: one-of(6)
254          (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
257      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
W--> 259      Ala Phe Asp Asn Leu Xaa Tyr Trp Asp Gln Asn Ser
260          1          5          10
263 (2) INFORMATION FOR SEQ ID NO: 7:
265      (i) SEQUENCE CHARACTERISTICS:
266          (A) LENGTH: 12 amino acids
267          (B) TYPE: amino acid
268          (C) STRANDEDNESS: single
269          (D) TOPOLOGY: linear
271      (ii) MOLECULE TYPE: peptide
274      (ix) FEATURE:
275          (A) NAME/KEY: Region

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276         (B) LOCATION: one-of(6,7)
277         (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
280     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
W--> 282     Ala Phe Asp Asn Leu Xaa Xaa Trp Asp Gln Asn Ser
283         1             5             10
286 (2) INFORMATION FOR SEQ ID NO: 8:
288     (i) SEQUENCE CHARACTERISTICS:
289         (A) LENGTH: 21 amino acids
290         (B) TYPE: amino acid
291         (C) STRANDEDNESS: single
292         (D) TOPOLOGY: linear
294     (ii) MOLECULE TYPE: peptide
297     (ix) FEATURE:
298         (A) NAME/KEY: Region
299         (B) LOCATION: one-of(12)
300         (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
303     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
W--> 305     Pro Ala Phe Ser Pro Ala Phe Asp Asn Leu Tyr Xaa Trp Asp Gln Asn
306         1             5             10             15
308     Ser Ser Glu Gln Gly
309         20
312 (2) INFORMATION FOR SEQ ID NO: 9:
314     (i) SEQUENCE CHARACTERISTICS:
315         (A) LENGTH: 21 amino acids
316         (B) TYPE: amino acid
317         (C) STRANDEDNESS: single
318         (D) TOPOLOGY: linear
320     (ii) MOLECULE TYPE: peptide
323     (ix) FEATURE:
324         (A) NAME/KEY: Region
325         (B) LOCATION: one-of(11)
326         (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
329     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
W--> 331     Pro Ala Phe Ser Pro Ala Phe Asp Asn Leu Xaa Tyr Trp Asp Gln Asn
332         1             5             10             15
334     Ser Ser Glu Gln Gly
335         20
338 (2) INFORMATION FOR SEQ ID NO: 10:
340     (i) SEQUENCE CHARACTERISTICS:
341         (A) LENGTH: 21 amino acids
342         (B) TYPE: amino acid
343         (C) STRANDEDNESS: single
344         (D) TOPOLOGY: linear
346     (ii) MOLECULE TYPE: peptide
349     (ix) FEATURE:
350         (A) NAME/KEY: Region
351         (B) LOCATION: one-of(11,12)
352         (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
355     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

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